

WHAT IS CLAIMED IS:

1. A vaccine against the cold-water disease in fish, comprising, as an effective component, inactivated cells of *Flavobacterium psychrophilium* in a logarithmic growth phase or components of the cells.

2. A vaccine composition for the cold-water disease in fish, comprising inactivated cells of *Flavobacterium psychrophilium* in a logarithmic growth phase or components of the cells.

3. A method for preventing the cold-water disease in fish, comprising administering an effective dosage of inactivated cells of *Flavobacterium psychrophilium* in a logarithmic growth phase or components of the cells.